

MG-20 GUITAR MODELING PROCESSOR

Thank you for purchasing the NUX NX3-20 Gustar Modeling Processed.

MG-90 is one of the sealed guiter modeling processors. If you are familiar with ineditional guiter rig, you may have known how to self-tone in MG-90. It is also very convenient for two performances from the guine, you can always see what effects are on the chain. To turn on and off effect modules or to essign functions to the GTRL swooth and Expression podal are outles and easy! We want let you lose a posit.

In MrS-20, Multi reas prought the original TSAC Teorphology to a time level in a equipped with 32th Seat point DSP. The How algorithm reas every detect of the classic strips and effects, Mare than 50 effect models, plus venture output models, no mother which style you play, you'll have great lone on top!



What is TSAC?



TRACTIONS Semulation of America Characteristics (invasible many book only arrang doubted to creat mate veries inhusiolans over the tone of materianges materially and the surface agreet goes through various electronic correspondits, such as messages, capparates, transforms and nines. At times components affect each other to treate the result-TONE! TEAC Technology virtually re-constructs (nereal arrange observed by using DSP chips, and accurrently straights the tone and leaf of the virtuage redname rate.

Features

- ♣ Urum Machine and Looper
- d Butter flavor
- Effects Workste Stattoms for Quick fone Editing
- d Expression Padel

- CIRL Footswich
- More than 50 Modete
- 38 Factory Presets and 38 Jam Presets
- Various Gulpur Modes
- USS for System updeling

Conyright

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nuxefx_com

Owner's Manual

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WARNINGI-IMPORTANT SAFETY INSTRUCTIONS BEFORE CONNECTING, READ INSTRUCTIONS



WARNING: To reduce the rick of fire or electric shock, do not expose the appliance to rain or systematic.

CAUTION: To reduce the risk of fire or electric shock, do not remove ecreve. No user service-eois parts incide. Refer servicing to qualified service personnel.

CALTION: This equipment has been leated and found to comply with the tinds for a Class B digital device pursuant to Part 15 of PCC Rules. Operation is audject to the following two conditions: (1) This device may not cause harmful brightnesses and (2) the device must accept any interference received including interference. That may device undertained operation.



The lightning symbol within a brangle resease relectrices deuton? it indicates the presence of information about towarding writings and potential rate of eached about.

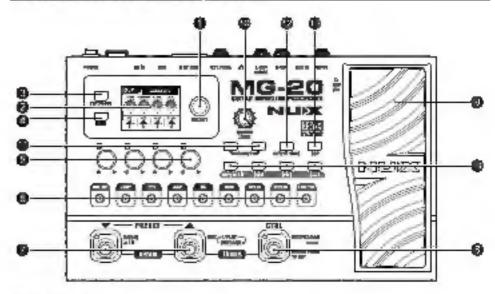


The sociametron point within a triangle means 'coulfont' Please read the information next to all caution signs.

- Use only the supplied power supply or power cord. Using other power supply may cause noise or even damage!
- 2. Do not place near heat sources, such as redictors, heat regulars, or appliances which produce heat.
- 3 Guard against objects or liquids enlaring the enclosure.
- 4 Do not alternat to service this product yourself, its opening or removing covers may expose you to dangerous vorage points or other risks. Refer all servicing to qualified service personnel.
- Refer all servicing to qualified service personnel.
- Servicing is required when the apparatus has been damaged in any way, such as when the power supply cont or plug is damaged. Equid has been applied or objects have false; this apparatus, the apparatus that been exposed to rain or nicleans, upon not operate normally or has been propped.
- 6. The power supply cord should be unplugged when me unit is to be unused for long periods of time.
- 2 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptables and a) the point where they soft from the appearable.
- 8. Prokinged ketening at high volume levels may cause imparable hearing loss and/or demage. We sys belearn to precioe "safe listering".

Follow all instructions and heed all warnings KEEP THESE INSTRUCTIONS!

Front Panel Description



1. SELECT longs

Select effects, pages of presents, with

S. CHEPLAY

Il displays presols, afted control panels, drum & looper Interface, and offer setting pages

J. HOIT/NAD/G builton

Press this bullion to enter Edit Mode and save pressits

4. HOME bullen

Prese this button envitine to return to Preset Mode.

6. PANAMETER broken

Use these leads to set occuments of allegts.

A EFFECTS MODULE BUTTONS

The series of buttons are designed as the real guitar effects algorifichein, Under Ede Mode, pressuring of these puttons to error an effect module.

7. PRESET footswitches

Use these two switches to switch present. Prese both exitohes striuture dusty to error CRUM & LOCP.

B. OTRL (outpention)

This is a control people that care be set as evertable for effects. DryDff, you are boost, MP3 May/Stop or TAP tempo people.

T. EXP/VOL pecial

The peopli works as at Volumer people or an Expréssion decial to control offish parabheters. Le Wall, Whethers, Nodelscott Special Co.

10. MASTER LEVEL NIVOID

This pontrols the matter output volume of MO-20.

11, GROUP buttons

Use these two turtons to quipidy swhon pank number under Preset Mode.

12. OUTPUT MODE BURGE

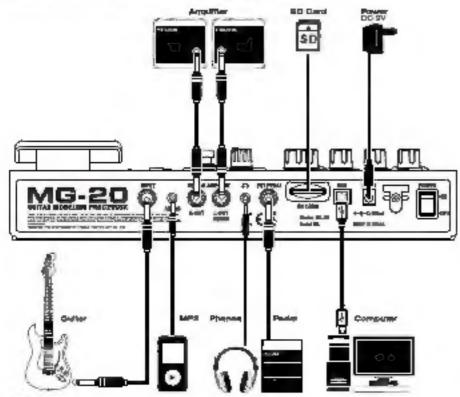
Press this any time to choose the device that you want to output the sound of MG-20 to. Choosing the right output mode halps to get bester some

19. TAP builton

Use this buffor to tap in the spend of modulation effects, datey, and drum tempo.

14. MPS buttone

Connection Panel Description



1. INPUT

Cormédi your gultur hêre.

E. ALES IN

Plug in your musto player of churc madrine here. The souled will be prayed through MO-20's cusputs.

4. R-OUT & L-OUT/MONO

These are the that- outputs this can be connected to simplifiers or ritide, Corollect two amplifiers or for stored affacts. Use the L-OUTMONO for more effects.

4. HEADPHONES lask

This is a eserce lack for headphones.

4. EXT. PEDAL Suck

You can plug an optional Charub WTB-004 padal to this jack to switch presat banks.

6. GD CARD slot

You can insert an SD card and play the music from the SD card by the built-in MP3 Player of MG-20.

Y USE Book

The is for system updating.

4. DC jack

Plug the supplied Power Adaptor in this jack.

NOTE: use CNLY the supplied scieptor or optional NUX ADC-506 Adaptor. Using other edeptor may cause rotes or damage!

T. POWER switch

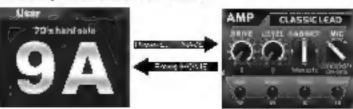
Turn on and off the power of MC-20 by this ewitch.

Preset Mode & Edit Mode

The default mode when you turn on the power of MG-20 is Preset Mode.

Prese EDIT/EAVE button enters Edit Mode. You can edit tones and save as user presets.

Press HOME button any time will return to Presst Mode.



To Create Tones

Editing range on MG-20 is an easy as setting normal stomp-boxes!

CEnter Edit Mode and Edit Effect Modules

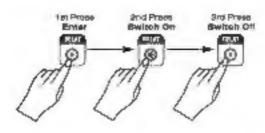
Press EDIT/EAVE to emfor Edit Mode.

MG-20 obliges 5 Effects Module Buttone to show the pulsar signal phain.

Under Eigh Mode, press any of these burgars once to enter corresponding effects module. Press this burgar again can awtich this module on and the LED on the burgar is DN. the third press awtiches off this module and the LED on the button is GPP.



Effects Module Buttons





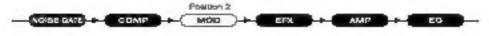
Modulation Effects Position

The certiful position of MOD module (moduletton effects) is beint EQ module. You can change the position of MOD to be before EFX.

Proce and hold MOS outcomer 2 sec to change position, when MOS is positioned before BPX. The LED on the MOD button will be binking when the MOD module in burned on.



Press and hold MGD bulton for it see to change position.



MPTE: Sjareo effects are not evaluable when MOD is before EFK.

[ACC position will be expect to present.

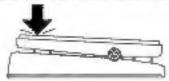
CTRL/EXP Pedal Function Setting

MG-20 has a CTRL corrol pedal and an EXPAYOL pedal that give you success control on stage!



s,8WITCH	Set the CTIV, as a localization to ewitch Dn/OF ope of these effect modules; COMR ERX, AMR EQ. WCO, DELAY, REVERB					
	 Title CTHs, toocheston is limitely designed to recognize if you want it to be a latered switch or momentary switch. 					
R.TAP	See the CTFL as a TAP Tempo pedal to set MOD Speed or Gelay Time.					
3.6010 60087	Set the CTPS, so a gold boost switch. You can use Parameter 4 knot to and the amount you want to boost the member volume when you switch on the CTPs.					
A.DELKY + BOOST	Use the CTRL to evokeh on the delay offset and boost the master volume at the same time. Boost emount can be set.					
Е-МРЭ РЬКУ/БТОР	Sor the CTPL as a PLAY/BTOP switch of the bulb-in MP3 Player					

Presents to position of the EKPAOL, pedal down with a little force to ewitch it to be Volume pedal or Expression pedal. (The EXP LED lights up when it becomes Expression pedal)



EIRAGINATE NAW. 5	Set the expression pedal to be a wanderd Web pedal					
E/WAH G	Bet the expression pedal to be a Warn pedal that you can set the Q value and averaging range. Expendence these settings to And your feworite Wah exceed.					
3'ANKVININ.	Bet the appreciation pedal to have pitch behaling effects					
A.PARAMETER	Set the expression padal to control mess parameters End patric, AMP GAIN, MOD BATH, DELAY TIME					
S.MIN VOLUME	Set the minimum volume when you atoms the pedal to totally heet down postfor.					

NOTE: The handon and Ongot leaves of the CSRL system and. DONOL pader will be served to present.

To Save User Presets

Once you find the same you tild, you can have it as a uper preset.

- -Prese and riord EDIT/SAVE burner to enter Name Editing page.
- •Use BELECT knot or PRESET▼ ▲ feetramphes to choose the preset number where you want to save to Of use the GROUP buttons to quickly change group number.
- -Uso PARAMETER 1 and 8 to edit the press) name. Turn PARAMETER 1 know disclosive to start adding the specified refine to highlighton it counterplockyces to date to be last retire.
- Turn PARAMETER & knob to choose the letters.
- -Prese EDIT/SAVE to confirm saving, or prese INDME to abandon changes.



To Use Presets

Under Preset Mode, you can choose presets by stomping on the PRESET ▼ ▲ toobswitches, or sweeking the ■BUBUT knob. Prese the ●BROUP burtone or use an optional extension pedal to change groups switchy

Under Present Mode, you can still easily edit or metich On/OR any effect modules by press the **Effects Module**: buttons, and change the functions of the **CTRL** pedal and **EXP** pedal. If is just the switching on or off storng-bower on the pedal busing.

You can prope and held **EQIT/SAVE** trutten to stave the changes, or switch to another project to absurded changes.

Example:



This means Compressor, Amp Simulator, and Catey are lunned On and in the agent over Others are Off.

Output Mode

You can culput the sound from Mü-20 to a vestely of devices by selecting culput modes, using the right bulgue mode helps you get the tent form from MS-20.

Press OUTPUT MODE turner, and use SELECT knot to saled the device you want to output the trains from MG-20.

Steck Galler in	Choose this one when you plug the MG-20 to the Guiter input of a shape.					
Streek Perwer	Choose this one when you plug the MG-20 to the power amp of a slack, (Normally the RETURN of the PX Loop)					
Combo Bulbir Ip	Service Stutter in Choose this one which you plug the MC-20 to the Guiter input of a combo.					
Chocae this one when you plug the MG-90 to the power amp of a combe (Normely the RETURN of the FX Loop)						
Miner Que	Curput the sound from MG-20 to a inter or PA system. MG-20s speaker simulator will be curped on.					

NOTE: Output modes out be arranged at anytime, Selecting the autput mode is a universal setting that is not seved in presets.

Drum & Looper

MG-20 has a built-in Drum Machine that has 61 mythm patterns and a Looppf with 60 sec recording time.



Drum Machine

Control	Function	Control	Function		
Q	To change drum pekleme	Ö	To edjust drum whime		
Ö	To change drum styles	Ď-	Вил вой мор аким		
Ö	То січичув четеро		Couble-press to ast		

●Looper

Control	Function
Ö	Adjust the playbatch volume of a took
-	Press this to record, play, and overclub; Press and noid it for Z sec to cencel the leaf recording (Unido), and press and note it again for Z sec to radio the recording that you just concelled. (See picture)
	Proce it once to stop the loop. Proce and hold in a clear of recording. Double - proce to set (suipldy proce the CTRL ewitch bytes within one second).

During looping, you are tree to not to Present Mode or Edit Mode by double-prese the GTML footswitch change.

On putter lone, and heart to the Drain & Looper page to continue looping.

NOTE: You can use the drum parterns to guide your recording, but the Drum Machine and Looper are separate impolities is so the drum part cannot be recorded in the Looper.

Mp3 Player

MS-25 has a built in MPS Player that allows you to play the music from the SD card it supports MPS music and most of the WMV and WMA music.

	Proce the to enter the intertupe of MPS Player: This is also the PlayPease outlon.
90	Prinviolal acrig.
8	fileast morig.
	Van A-B betten to repeat a physical music. Press once to set the start point, press the second time to set the one point, and press the shird time to cance repeating.

The MPS Player also allows you to change the speed of the music without changing the key. This is neighbli when you want to slow down a fast lick for learning.



ADTII: You can not the GSRL foother to his Play/Otop switch of the bully-in APS Player

> (See: GTRL/EXP Patie) Pupottion Setting)

Tuner

Proce the PRESET (potential) and ETRL toolswitch at the serve time to order have page



O.	Ö	Ö	0
Adrast An essential	Pad Turning	None	Mischer Chrometic OT surpland lastron Open 61 52 G E G C

In Tunor page, prese PRESET ▲ footswetch for sterr string. Press PRESET ▼ to change string modes: Quickly press CTRS, toospetish twos in 1 second to exit

Factory Restore

- Press EDST/EAVE buffor and HDASS buffor at the same time to enter SETLAP page.
- BUSE SELECT KYOO to select FACTORY RESTORE, and press SDIT/SAVE button to enter.
- Primes one of the DONOLLP outtons to loggle to TRUS
- Press EDIT/BAVE to confirm restoring and set.

NOTE: All user presents and settings will be restored to factory settings.

EXP Pedal Calibration

- Press april/6ANE button and HOMBI button at the earny time to enter GETUP pasts.
- ●Use SELECT knot to select PESAL CALIBRATION, and press #ERT/SAYE burion to enter
- ●Fotow these stape.
- 1 Set the EXP people to bully heel-down position, and press PRESET ▼ footsettch.
- 2 Set the ISOP pedal to 0.0y for-down posttlen, and press PRESET Thospworth.
- 3. Press the EXP padal lowerds Lifty los-down position with longs, the LCD will show the threshold value. The harder you press the pedal, the higher the value. Higher threshold value means you need to press the bede trader to switch between Expression and Volume function of the bedel.
- 4.Proce PREBET * to cordim the adjustment.
- 5.11 you are not septled with the adjustment, you pain start over from seep 1.
- ●Prese 2/04/8 button several titrate to return to Preset Mode.

Language Setting, Version Information

♠Press STATASAVE buston and HOME buston at the same time to only SETUP page. Use SILLECT knob to peloct LANGUAGE SETTING or VERSION INFORMATION.



- Prese EDIT/SAVE sulton to enter.
- Follow the instruction on the acreen.
- Proces HOME ownered throne to resurb to Present Mode.

Specifications

- **@Samoing Frequency: 44 1KHz**
- BA/D convertur, 94bil.
- ■Proquarcy response: 20Hz 20000Hz 1dB
- ■THID+N -99dB0j-0.009%
- **€**Oynamio Ranga: 110aB

- ●INPUT -20aB
- COUTPUT 10aB.
- ●Power: DC 9V +4-9
- ■Dimopelore: 333[Los] 0(V)=83(-1)mm
- Weight 3.15Kg

Precautions

- ■€n-tronmwn;
- 1.Do NOT use MG-20 in high hymperacure, high humidity, or subzero enunomments.
- 2 Do NOT use MO-20 in the direct surjects
- ■Phease do NOT desessemble MG-20 by yourself
- Prisasa keep tris manual for future reference.

Accessories

●Owners manual ●DC BV

Executions may change without notice.

NUX MG-20 EFFECTS LIST

MODULE	NAME	140	KNOB 1	#04D8 #	COLUMN TO	TOWNS C	10100 4	No. of the last of	MALENCE, TV	THE CASE
NOUSE GATE	MOIBE GATE		THRESHOLD	DECAY						
OMPRESSOR	RED COMP	MAN DAMA COMP	OHITTEUR	SENSITIVITY						
AND PARTIES OF THE PA	INFORMATION II.	LIVE INCOME.	friend it	FUON						
	DISTORTION:	MORE DISTORTIONS ROSS DS-1	COURT	U61 TONE	DAVE				_	
	B CHEAMEN	BANEZ TER	LEVIL	TOMP	DITTYE				_	
	MODREM DIST	PHOCO BAT	CEVEC	ASTEH	DIST					
	HEAVY METAL	BOSS MT2	FEAST	HOH	LOW	DIST		MADDLE	FRED.	
	TUBE DYIVE	DHANDLER TUBE DRIVER	700	H	LO	DMVC				
	FUZZ	CUNLOP FUZZHAGE	VOLUME	PU2Z						
	MULE IS	DI MUTT PI	VOLUME	TONE	BUSTAIN					
	JAZZ CLEAN	HOLAND JAZZ 120	DRIVE	LEVEL.	CABINET	Mic	8438	MEDCLS	THERE	
	BLACK FACE:	FENDER DELUXE REVERS	ORNE	Urve.	CABINET	Mic	9450		TPEDLE	
	AU TWEED	FENDER BASSMAN 69	ORME	LEVE,	CABINET	keç	AASA	WEGUE	中巴工	
	WINITWEED	PENDER TWEED DELLASE 664	OUNC	LEVEL LEVEL	CABINET	MIC MIC	BASS	MODLE		
	DELUXE MBE HIGH WATT	PENDER TWIN PEVERS HIMOTT CUSTOM 100	ORNE	LEVEL	CABINET	MC	BASS	MDDLE	TREBLE	PARSITNOS
	CALL CRUNCH	MESA BOOGE MARK!	DUANE	LEVE.	CABINET	Mic	9038	MODLE	THEOLE	PRESENCE
	Bamari .	VOX ACSO TOP BOORT	DRMS	UEVEL.	CARINET	NGC	9466	District Co.	TERRIF	CI/T
SAMPLE.	CLASSIC LEAD	MARSHULL SUPER LEAD 1964	QUIVE	LEVE.	CABINET	MIC	BASS	MOOLE	THESE.	PRESENCE
	PLEXI 46	MARSHALL JIMAS	DANE	LEVE.	CARINEY	MID	9446	MIDDLE	TREBLE	PRESENCE
	606 CLASSIC	MARSHALL JOMBOO	ORME	LEVO.	CABINET	MIG	SAGS	MIDDLE	TPCDLE	PRESENCE
	808 TURBO	MARSHALL JOMBOO	DHME	SEVEL.	CABINET	Me	6438	MODULE	THEM 5	MHEBENCH
	MODERN HIGHBAR	EGLDANG SLO100	DRIVE	TEAR!	CABINET	MIC-	DAGG	MIDDLE	TREBLE	PRESENCE
	BUPER HEMY	PEAVEY 51501	CHANE	TEAST	CABINET	Medi	9AS8	MIDDLE	THESILE	PRESENC
	90'S TREAD PLATE	MESA BOOGIE DUAL RECITIER	DRIVE	LEVEL	CABINET	MIC	AA65	MIDDLE	TREBLE	PRESENC
	NEW METAL	DEZEL HEMSENT	OMME	LEVEL	CYGRAF1	MIC	evse	MEDICIE	TP (2017)	PRESENC
	DALJ 1X12	0000E1X12								
	TWEED 1212	FENCER TWEED DELUX								
	BLACK 1XI2	FENDER DELUKE PEVERS								
	142Z 2012	MOLAND JC-120								
	BLACK 2K12	PENDER TWIN AFVEAR VOX AC-30								
	BUUE 2X12 7W6FD 4X10	FENDER BARRANAN								
CAMBRIT	T/9 4K12	MANSHALL WITH 1-25	+							
	V30 4X19	MARSHOUL WITH V-30								
	OPESN 43/12	MARSHALL WITH GREEN								
	012 4212	MARSHALL WITH BITS								
	REOT 4012	MESA DOOGIE 4X12								
	Воли опа	QUBTOM CIVERBIZED #X17								
	57 ON AXIS									
MOROPHONE	ST OFF AUS									
LITTLE PROPERTY.	DYNAMIC									
	CONDENSER								100000	
10	7-BANC EQ		150	200	409	600	1,6%	3.24	6.46	G/UN
	PATAMETRE EG		LO SAIN	LM GAIN	HM GAIN	H QAN	LO FREQ	LMITTED	HM FREG	HI FREO
	CHORUS	BORR CE 6	C. LEVIL	ODM)	PATE	M-6	LOW	HOH	509, DM	TAP TEMP
	ST. CHOPLIS FLANGER	STERED CHORUS	E. LEVIL	SHIH	RATE	KH III	FOM	High	949. DW.	TAP TEMP
	VIVIAGE PHASER	MXR PHASE 60	MANUAL	OUT H	PATE	RESO.			BUBLOW.	TAP TEMP
	II VIBE	DOWNER ON VIBE	AUTE VOLUME	DEPTH ENTENS.	SPCED	OH0-49			505 DM	TAP TEMP
AOGULATION	TREMOLD	Property, Aug 1996	VOLUME	AUENS.	SMEET:	61 ONS			808 DW	TAP YEAR
	HOTARY BPK		AATE .	BALANCE	DIRECT	EFFECT			eram tan	Tree serve
	VIIRATO	 	SPEED	DETH	Larie La	D 1551			B.M. DW.	THE TRUE
	HARMONIBT		MODE	AEY	PARMONY	BALANCS				
	DETUNE		SHIPT L.	8H*7 ft.	MIX	LEVEL				
	ANALDG DELAY		TRAC	FIRMON	VOLUME				DURS. DAY.	TAP TIME
	DISHAL DELAY		THE	F/SACK	VOLUME	TONE			SUB. DW.	TAP TOMP
DO 15	MODULATE		YIME	ABACH.	O'CH CROSS				BUB DW	TAP TEMP
DELAT	TAPE ECHO	MOLAND FE-201	TATE	FIDACH	VOLUME	HE4D			BUBLOW	TAP TEMP
	REVERSE		YIME.	FBACK	VOLUME				SUB. DIV.	TAP TEMP
	PAN DBLW		TIME	FIDACK	VOLUME				SUB. DNL	TAP TEMP
	ROOM		SORTM	DECAY	LEVEL	HI CUT				
PARVERSE	HALL		ROBLAY	DECKY	LEVEL	HI OUT				
	PLATE		FOOLAY	DECAY	Devel	HI CUT				
	WAH STANDARD									
	WWH Q	-			· ·	RANGE				
ERR PEDAL	PARAMETER	+				MOD RATE				

THE FCC REGULATION WARNING (for U.S.A.)

This soulpress has been tested and found to comply with the limits for a Class 3 digital device, pursuant to Pan 15 of the PCC Rune. These times are designed to provide reasonable provention against namely interference in a read-definal instabilities. This equipment generates, state, and can read-at-racio frequetity energy and, if not instable and used in accordance with the trainformation, may cause harmful interference to nack communications. Provener, there is no guarantee that interference will not occur in a particular instabilities. If the equipment does cause harmful interference or radio or belowing no particular instabilities are to accordance to redde or belowing to correct the interference or one or more of the following measures.

- . Bechent or revocate the receiving antenna.
- · increase the separation between the equipment and received
- Connect the equipment into an ounction a direct offerent from that to which the receiver is connected.
- Consult the design or an experienced radio(**) regninglen for help.

CE mark for European Harmonized Standards

CE Mark which is a racined to our company's products of Berrary makes the product is in hely conforminy with the harmonized standardy) En 61000-8-3:2007+A1:2011 & EN 61000-6-1 2007 Under the Council Directive 2004/100-60 on Electromagnatic Companionity.



manary recombination of

Made in Crine